**Index of Claims** 

Application/Control No.

10/763,053

Examiner

Applicant(s)/Patent under Reexamination

HARTLE ET AL

Porfirio Nazario-Gonzalez 1621

Art Unit

Rejected **Allowed** 

(Through numeral) Cancelled

Restricted

Non-Elected N

Interference

**Appeal** Α 0 Objected

| Cla  | Claim Date |            |          |          |  |          |  | $\neg$   | Cla  | im       | Date     |          |          |                 |            |           |               | ı                      | CI     | aim               | Date |          |            |                 |                 |           |          |               |          |          |          |          |
|--|------------|------------|----------|----------|--|----------|--|----------|--|----------|----------|----------|----------|-----------------|------------|-----------|---------------|------------------------|--------|-------------------|------|----------|------------|-----------------|-----------------|-----------|----------|---------------|----------|----------|----------|----------|
| <u> </u>   |            |            |          |          |  |          |  |          | $\dashv$                                       | 100      | Date     |          |          |                 |            |           |               |                        | Claim  |                   |      |          |            |                 |                 |           |          |               |          |          |          |          |
| Final  | Original   | 8/19/05    |          |          |  |          |  |          |  |          | Final    | Original |          |                 |            |           |               |                        |        |                   |      | Final    | Original   |                 |                 |           |          | ,             |          |          |          |          |
|  | 1          | √          | $\vdash$ | _        | $\vdash$   | -        | -  | Н        |  | 4        |          | 51       |          | Н               | $\dashv$   | +         | $\dashv$      | +                      | +      | ╁                 |      |          | 101        | _               | $\dashv$        | $\dashv$  | $\dashv$ |               |          |          | _        | _        |
| -  | 2          | V          | -        | -        | ⊢  | -        | ├  | Н        | $\vdash$                                       | $\dashv$ | $\vdash$ | 52       | Н        | $\vdash$        | $\dashv$   | $\dashv$  | $\dashv$      | +                      | +      | +                 |      |          | 102        |                 | -               | -         | -        |               |          |          | $\dashv$ | $\dashv$ |
| -  | 3          | V          | -        | -        | ⊢  | ┢        | ⊢  | Н        |  | $\dashv$ | $\vdash$ | 53       | $\vdash$ | $\vdash$        | $\dashv$   | $\dashv$  | +             | +                      | +      | ╁                 |      | -        | 103        |                 | -               | $\dashv$  | -        |               |          | -+       | $\dashv$ | $\dashv$ |
| ┝  | 4          | ¥          | _        |          | ┢  | ⊢        | ⊢  | Н        | $\vdash$                                       |          | -        | 54       | $\vdash$ | $\vdash$        | +          | $\dashv$  | $\dashv$      | +                      | ┿      |                   |      | H        |            |                 | -               | -         | _        |               |          |          | $\dashv$ | $\dashv$ |
| <del>                                     </del> | 5          | V          |          | -        | ├  | -        | ⊢  | H        | $\dashv$                                       | $\dashv$ | -        | 55       | Н        | $\dashv$        | +          | $\dashv$  | $\dashv$      | +                      | +-     | +                 |      | $\vdash$ | 104        | $\dashv$        | $\dashv$        |           | $\dashv$ |               |          |          | $\dashv$ |          |
| ├──  | 6          | <b>√</b>   |          |          |  | -        | $\vdash$   | $\vdash$ | $\vdash$                                       | -        | -        | 56       | $\vdash$ |                 | $\dashv$   | $\dashv$  | $\dashv$      | +                      | +-     | +                 |      |          | 105        |                 | -               | $\dashv$  |          | _             |          |          | -        | ᅴ        |
|  | 7          | V          | -        |          | _  |          |  | -        | -  |          |          | 57       | $\vdash$ | -               | $\dashv$   | $\dashv$  | $\dashv$      | +                      | ╁      | ₩                 |      |          | 106<br>107 |                 | -               |           | -        |               | _        |          | _        |          |
|  | 8          | ₹          | -        | _        | ⊢  | ⊢        | ┝  | Н        | $\dashv$                                       | -        | -        | 58       | Н        | $\dashv$        | $\dashv$   | -+        | +             | +                      | +      | ╁                 |      | $\vdash$ | 107        | -               | $\dashv$        | $\dashv$  | -        |               |          | $\dashv$ |          |          |
|  | 9          | 7          |          |          | $\vdash$   |          | $\vdash$   | -        | $\vdash$                                       |          |          | 59       | $\vdash$ | -               | +          | $\dashv$  | +             |                        | ╫      | <del> </del>      |      |          | 109        | _               | $\dashv$        |           | _        | $\vdash$      |          | -        | -        | $\dashv$ |
|  | 10         | ¥          | Н        |          | ⊢  | ⊢        | ⊢  | Н        | -  | $\dashv$ |          | 60       | H        | $\dashv$        | +          | -         | +             | +                      | +      | +-                |      |          | 110        |                 | -               | $\dashv$  | -        | _             | Н        | $\dashv$ | -        | ᅴ        |
|  | 11         | <b>∀</b>   |          |          | -  |          | $\vdash$   | Н        |  | $\dashv$ | <b></b>  | 61       | ⊢⊦       |                 | $\dashv$   | $\dashv$  | +             |                        | +      | +                 |      |          | 111        | -               | $\dashv$        | $\dashv$  | $\dashv$ |               |          | $\dashv$ | $\dashv$ | $\dashv$ |
|  | 12         | <b>√</b>   | $\vdash$ | -        | $\vdash$   |          | $\vdash$   | $\vdash$ | $\dashv$                                       | $\dashv$ | .        | 62       | $\vdash$ | $\vdash \vdash$ | $\dashv$   | +         | +             | +-                     | +      | +                 |      | $\vdash$ | 112        | $\vdash$        | +               | +         | -        | -             | Н        | $\dashv$ | -        | $\dashv$ |
|  | 13         | <b>∀</b>   | $\vdash$ |          | <del>  -                                    </del> | 1        | <del>                                     </del> | H        | $\dashv$                                       | $\dashv$ | -        | 63       | Н        | $\vdash$        | $\dashv$   | +         | +             | +                      | +      | +                 |      |          | 113        |                 | $\dashv$        | ᅱ         |          |               | $\vdash$ | -        | $\dashv$ | $\dashv$ |
| $\vdash$   | 14         | ¥          | $\vdash$ | -        | -  |          |  | Н        | $\dashv$                                       | $\dashv$ |          | 64       | $\vdash$ | $\vdash \vdash$ | $\dashv$   | $\dashv$  | +             | +                      | +      | +                 |      |          | 114        | $\vdash$        | $\dashv$        | -         | -        | $\vdash$      | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |
| $\vdash$   | 15         | V          | $\vdash$ |          | $\vdash$   | H        | $\vdash$   | Н        | -+   |          |          | 65       | Н        | $\vdash$        | +          | $\dashv$  | +             | +                      | +      | +                 |      |          | 115        | $\dashv$        | $\dashv$        | $\dashv$  | $\dashv$ |               | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |
| $\vdash$   | 16         | Ť          | $\vdash$ |          | -  |          |  | Н        | -  | -        | -        | 66       | Н        | $\dashv$        | +          | $\dashv$  | +             | +                      | +-     | +                 |      |          | 116        | $\dashv$        | -+              | -         | $\dashv$ |               | -        | -        | $\dashv$ | ᅱ        |
| <del>                                     </del> | 17         | 7          | -        |          | -  | -        | $\vdash$   | Н        | $\dashv$                                       |          | <b>—</b> | 67       | H        | -               | ÷          | $\dashv$  | ╅             | -+-                    | ╁      | +                 |      |          | 117        |                 | -               |           |          | -             | $\vdash$ | -        | $\dashv$ | $\dashv$ |
|  | 18         | V          |          |          | -  |          | $\vdash$   | Н        | $\dashv$                                       | $\dashv$ | <b> </b> | 68       | $\vdash$ | $\vdash$        | $\dashv$   | $\dashv$  | $\dashv$      | ┰                      | ╁      | +                 |      | -        | 118        | $\dashv$        | $\dashv$        | $\dashv$  |          |               | -        | -        |          | $\dashv$ |
| _  | 19         | Ť          | $\vdash$ | _        | ┢  | Н        | ╁  | Н        | $\vdash$                                       | -        |          | 69       | Н        | $\vdash$        | +          | -+        | +             | +                      | +      | +                 |      |          | 119        | $\dashv$        | $\dashv$        | $\dashv$  | $\dashv$ |               | $\vdash$ | $\dashv$ | -        | $\dashv$ |
|  | 20         | <b>√</b>   | -        | $\vdash$ | ┢  | -        | -  | Н        |  | -        | ·        | 70       | Н        | -               | +          | $\dashv$  | $\dashv$      | ┰                      | +      | +                 |      |          | 120        | $\vdash$        | $\dashv$        | $\dashv$  | $\dashv$ |               |          | $\dashv$ |          | $\dashv$ |
| -  | 21         | <b>√</b>   | -        | $\vdash$ | <u> </u>   | -        | H  | Н        | $\vdash$                                       | $\dashv$ |          | 71       | $\vdash$ | $\dashv$        | $\dashv$   | $\dashv$  | +             | +                      | ╁      | Н                 |      |          | 121        | $\dashv$        | -               | $\dashv$  | $\dashv$ |               | $\vdash$ | -        | $\dashv$ | ᅱ        |
|  | 22         | V          |          | _        | -  | $\vdash$ | -  | Н        | $\dashv$                                       | -        |          | 72       |          | $\dashv$        | $\dashv$   | $\dashv$  | -             | +                      | +      | +                 |      |          | 122        | -               | $\dashv$        | $\dashv$  | ┪        |               | -        | $\dashv$ | $\dashv$ | ᅱ        |
| -  | 23         | _ <u>`</u> |          | _        | <del>                                     </del>   | $\vdash$ | $\vdash$   | Н        |  | $\dashv$ | -        | 73       | Н        | -               | <b>-</b> † | +         | +             | +                      | +      | +                 |      |          | 123        |                 | -               | +         | $\dashv$ |               |          | $\dashv$ | ᅱ        | $\dashv$ |
|  | 24         |            |          | _        | ╁  | $\vdash$ | ┢  | Н        | $\dashv$                                       | $\dashv$ |          | 74       | Н        | -               | +          | $\dashv$  | +             | ╅                      | +-     | +                 |      |          | 124        |                 | $\dashv$        | $\dashv$  | $\dashv$ |               |          | $\dashv$ | $\dashv$ | ᅱ        |
|  | 25         |            |          | -        | $\vdash$   |          | $\vdash$   | Н        | $\dashv$                                       | $\dashv$ |          | 75       | H        | -               | -+         | $\dashv$  | $\dashv$      | +                      | +      | H                 |      |          | 125        | $\dashv$        | $\dashv$        | -         | $\dashv$ |               |          | $\dashv$ | $\dashv$ | ᅱ        |
| $\vdash$   | 26         | $\vdash$   |          | _        |  |          |  |          | $\dashv$                                       | -        | <b>—</b> | 76       | H        | $\dashv$        | $\dashv$   | +         | +             | ╁                      | +      | +-1               |      |          | 126        |                 | $\dashv$        | ┰         | $\dashv$ |               | -        | $\dashv$ | $\dashv$ | 一        |
|  | 27         | _          | _        |          |  |          | -  | Н        |  | -        | <b>—</b> | 77       | Н        |                 | +          | $\dashv$  | $\dashv$      | +-                     | +      | ╁┤                |      |          | 127        |                 | $\dashv$        | -         | $\dashv$ |               |          | $\dashv$ | $\dashv$ | 一        |
|  | 28         | _          |          |          | $\vdash$   |          | -  | Н        | $\dashv$                                       | $\dashv$ |          | 78       | H        |                 | $\dashv$   | +         | $\dashv$      | ╅                      | +      | +                 |      |          | 128        | $\vdash$        | 十               | -         | $\dashv$ | $\dashv$      |          | $\dashv$ | $\dashv$ | ᅥ        |
|  | 29         |            |          |          |  | Г        |  | Н        |  | ┨.       |          | 79       | H        | $\dashv$        | $\dashv$   | $\top$    | $\top$        | _                      | +-     | $\vdash$          |      |          | 129        |                 | _               | ┪         |          |               |          | $\dashv$ | -        | ᅱ        |
|  | 30         | _          |          |          | <del>                                     </del>   | $\vdash$ | $\vdash$   | Н        |  | _        |          | 80       |          | $\Box$          | +          | +         | $\dashv$      | +                      | +      | $\vdash$          |      |          | 130        |                 | _               | ┪         | _        |               | _        | ╗        | $\dashv$ | ᅱ        |
|  | 31         |            |          |          |  |          |  | H        | $\neg \uparrow$                                | _        |          | 81       |          | $\neg$          | 1          | $\top$    | $^{+}$        | 十                      | 十      | $\vdash$          |      |          | 131        | $\neg$          | _               | 寸         |          |               | $\neg$   | $\dashv$ | 一        | ᅥ        |
|  | 32         |            |          |          |  |          |  | П        | $\neg$   | 7        |          | 82       | Н        | $\dashv$        | _          | $\dashv$  | $\top$        | _                      | $\top$ | $\dagger$         |      | -        | 132        |                 | 十               | $\dashv$  | _        | $\dashv$      |          | $\dashv$ |          | ᅥ        |
|  | 33         |            |          |          |  |          |  |          | 1  | ┪.       |          | 83       | $\vdash$ |                 | 十          | $\dashv$  | +             | $\top$                 | $\top$ | Н                 |      |          | 133        |                 | _               | T         |          | $\neg$        | $\neg$   | 寸        | 一        | 一        |
|  | 34         |            |          |          |  |          | П  | П        | $\dashv$                                       | $\dashv$ |          | 84       | $\sqcap$ | $\dashv$        | $\dashv$   | 十         | +             | $\top$                 | $\top$ | $\dagger \exists$ |      |          | 134        | $\vdash$        | $\dashv$        | ┪         | $\dashv$ | $\dashv$      | $\vdash$ | $\dashv$ | 7        | $\dashv$ |
|  | 35         |            |          |          |  | П        |  | П        | 寸  | 7        |          | 85       | Ħ        |                 | 7          | $\dashv$  | 十             | $\top$                 | $\top$ | $\top$            |      |          | 135        |                 | $\dashv$        | 7         | $\dashv$ | $\neg$        |          | _        | T        | ㅓ        |
|  | 36         |            |          |          |  |          |  | П        | _  | $\neg$   |          | 86       | $\Box$   | $\Box$          | $\dashv$   | $\dashv$  | 十             | $\top$                 |        | $\top$            |      |          | 136        | $\neg$          | 十               | 寸         | $\dashv$ |               |          | 寸        | 7        | $\neg$   |
|  | 37         |            |          |          |  | П        | П  | П        | $\dashv$                                       | ┨        |          | 87       | $\Box$   | $\dashv$        | $\dashv$   | 十         | _             | $\top$                 | 1      | $\sqcap$          |      |          | 137        | $\dashv$        | $\dashv$        | $\dashv$  |          |               |          | 寸        | 寸        | $\dashv$ |
|  | 38         |            |          |          |  |          | П  | П        | 寸  | 7        |          | 88       | П        | $\neg$          | $\neg$     | $\dashv$  | 十             | $\top$                 | $\top$ | $\sqcap$          |      |          | 138        |                 | $\dashv$        | 寸         |          |               |          | 7        | $\dashv$ | $\neg$   |
|  | 39         |            |          |          |  |          |  | П        | $\neg$   | ٦        |          | 89       | П        | 7               | ╅          | $\dashv$  | 十             | $\top$                 | $\top$ | $\dagger \exists$ |      |          | 139        |                 | $\dashv$        | 寸         | $\dashv$ |               | $\neg$   | _        | 1        | ᆿ        |
|  | 40         |            |          |          |  |          |  | П        |  | $\neg$   |          | 90       | $\Box$   | $\neg$          | $\top$     | $\dashv$  | $\neg$        | T                      | T      | $\sqcap$          |      |          | 140        | $\dashv$        | $\dashv$        | 1         | $\neg$   |               |          | 寸        |          |          |
|  | 41         |            |          |          |  |          |  |          |  |          |          | 91       |          | $\neg$          | $\neg$     | $\neg$    | $\top$        | $\top$                 | $\top$ | П                 |      |          | 141        | $\neg$          | 寸               | $\exists$ | 一        | $\overline{}$ |          | 寸        | 寸        | $\neg$   |
|  | 42         |            |          |          |  |          |  |          |  |          |          | 92       |          | 一               |            | _         | $\top$        | $\top$                 | $\top$ | $\sqcap$          |      |          | 142        | $\neg$          | 寸               | ヿ         | 寸        | $\neg$        |          | $\dashv$ | 1        | ᅱ        |
|  | 43         |            |          |          |  |          |  |          |  |          |          | 93       |          |                 | $\Box$ T   | ╧         |               | Т                      | Τ      |                   |      |          | 143        | 一               | $\neg$          | $\exists$ |          |               |          |          | $\neg$   | ヿ        |
|  | 44         |            |          |          |  |          |  |          | $\Box$   |          |          | 94       |          | $\Box$          | $\Box$     | ⅃         | $\Box$        |                        | T      |                   |      |          | 144        | $\neg \uparrow$ | 丁               | $\exists$ |          | $\neg$        |          | $\neg$   |          | ヿ        |
|  | 45         |            |          |          |  |          |  |          |  |          |          | 95       |          |                 | _          | $\exists$ |               |                        | T      | $\Box$            |      |          | 145        | 一               | $\neg$          | 寸         | $\neg$   | 一             |          | $\neg$   |          | コ        |
|  | 46         |            |          |          |  |          |  |          | $\Box$   |          |          | 96       |          |                 |            | T         |               | Ι                      |        |                   |      |          | 146        | $\neg$          | $\neg \uparrow$ | 7         | $\neg$   | $\neg$        |          | $\neg$   |          | ヿ        |
|  | 47         |            |          |          |  |          |  |          |  |          |          | 97       |          | $\Box$          | $_{ m I}$  | floor     | $\Box$        | $ m oldsymbol{\Gamma}$ | Ι      |                   |      |          | 147        |                 |                 | $\neg$    | 一        |               |          | $\neg$   |          | コ        |
|  | 48         |            |          |          |  |          |  |          |  |          |          | 98       |          |                 | $\Box$     | $\Box$    | $\Box \Gamma$ | I                      | I      |                   | Ì    |          | 148        | 1               |                 |           | _1       |               |          |          | ╗        | $\neg$   |
|  | 49         | ]          | ]        |          |  |          |  | $\Box$   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{I}}}$ |          |          | 99       |          | $\Box$          |            |           | $\Box$        |                        | L      | $\Box$            |      |          | 149        |                 |                 |           |          |               |          |          |          | ヿ        |
|  | 50         |            | $\Box$   |          |  |          |  | L_I      |  | ╝        |          | 100      |          | T               | T          | T         | T             |                        | 1      | П                 |      |          | 150        | T               | T               | T         | П        | ٦             |          | T        | $\Box$   | 7        |